(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 7 August 2003 (07.08.2003)

PCT

(10) International Publication Number WO 03/063589 A3

(51) International Patent Classification⁷: A01N 57/20

(21) International Application Number: PCT/EP03/00825

(22) International Filing Date: 28 January 2003 (28.01.2003)

(25) Filing Language:

(26) Publication Language:

English

(30) Priority Data: 10/059,708

29 January 2002 (29.01.2002) U

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- (88) Date of publication of the international search report: 2 October 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AQUEOUS HERBICIDAL CONCENTRATE COMPRISING A BETAINE TYPE SURFACTANT

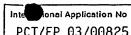
(57) Abstract: The present invention concerns an aqueous phytopathological formulation comprising a hydrosoluble salt of at least one aminophosphate or aminophosphonate type herbicide; at least one principal surfactant selected from alkylbetaines and alkyl(amidoalkyl)betaines, and at least one additive selected from at least one of the following compounds: (i) amines or etheramines comprising at least one hydrocarbon radical containing 2 to 24 carbon atoms, optionally polyalkoxylated; (ii) acid or non acid phosphate mono- or di-esters, optionally polyalkoxylated; (iii) alkali metal, alkaline-earth metal, ammonium, alkylammonium, alkanolammonium, iron, zinc or manganese salts of a mineral acid; and (iv) alkylmonoglycosides or alkylpolyglycosides.





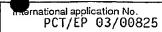
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A01N57/20										
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS	B. FIELDS SEARCHED									
Minimum documentation searched (classification system followed by classification symbols) IPC 7 A01N										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
	ata base consulted during the International search (name of data ba	se and, where practical,	search terms used)							
WPI Da	ta, EPO-Internal, CHEM ABS Data									
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			· · · · · · · · · · · · · · · · · · ·						
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages		Relevant to claim No.						
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Α	WO 00 38523 A (ALBRIGHT & WILSON		1-15							
	LIMITED) 6 July 2000 (2000-07-06 page 2, line 12 -page 4, line 6	,								
	examples 1-103									
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Furth	er documents are listed in the continuation of box C.	X Patent family m	nembers are listed in	annex.						
* Special cal	regories of cited documents :	"T" . later document publi	shed after the inter	national filing date						
"A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention										
"E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered to										
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"O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled										
"P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family										
Date of the a	actual completion of the international search	Date of mailing of the international search report								
2	5 March 2003		3 0, 05, 03							
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer								
European Patent Office, P.B. 3818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Fort, M								

Form PCT/ISA/210 (second sheet) (July 1992)



INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)								
This International Search Report has not been establis	shed in respect of certain claims under Ar	ticle 17(2)(a) for the following reasons:						
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:								
Claims Nos.: because they relate to parts of the Internation an extent that no meaningful International Se.	nal Application that do not comply with the earch can be carried out, specifically:	e prescribed requirements to such						
		. •						
Claims Nos.: because they are dependent claims and are response.	not drafted in accordance with the second	d and third sentences of Rule 6.4(a).						
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Box II Observations where unity of invention	n is lacking (Continuation of item	2 of first sneet)						
This International Searching Authority found multiple in	nventions in this international application,	as follows:						
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see additional sheet	•							
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As all required additional search fees were tires searchable claims.	mely paid by the applicant, this Internation	nal Search Report covers all						
As all searchable claims could be searched wo of any additional fee.	without effort justifying an additional fee, t	his Authority did not invite payment						
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As only some of the required additional searce covers only those claims for which fees were	oh fees were timely pald by the applicant, paid, specifically claims Nos.:	this International Search Report						
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No required additional search fees were time restricted to the invention first mentioned in the search fees were time.	ely paid by the applicant. Consequently, the claims; it is covered by claims Nos.:	nis International Search Report Is	1					
1-5(part),6-7,14-15(part)								
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Remark on Protest	The additional search fees were	accompanied by the applicant's protest.						
	No protest accompanied the payer	ment of additional search fees.						

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-5 (partially), 6-7, 14-15 (partially)

An aqueous phytopathological formulation comprising:
-a hydrosoluble salt of at least one aminophosphate or
aminophosphate type herbicide
-at least one principal surfactant selected from
alkylbetaines and alkyl(amidoalkyl)betaines
-at least one (i) amine or etheramine comprising at least
one hydrocarbon radical containing 2 to 24 carbon atoms,
optionally polyalkoxylated

2. Claims: 1-5 (partially), 8-9, 14-15 (partially)

An aqueous phytopathological formulation comprising:
-a hydrosoluble salt of at least one aminophosphate or
aminophosphate type herbicide
-at least one principal surfactant selected from
alkylbetaines and alkyl(amidoalkyl)betaines
-at least one (ii) acid or non-acid phosphate mono- or
di-ester, optionally polyalkoxylated

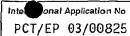
3. Claims: 1-5 (partially), 10-11, 14-15 (partially)

An aqueous phytopathological formulation comprising:
-a hydrosoluble salt of at least one aminophosphate or
aminophosphate type herbicide
-at least one principal surfactant selected from
alkylbetaines and alkyl(amidoalkyl)betaines
-at least one (iii) alkali metal, alkaline-earth metal,
ammonium, alkylammonium, alkanolammonium, iron, zinc or
manganese salts of a mineral acid

4. Claims: 1-5 (partially), 12-13, 14-15 (partially)

An aqueous phytopathological formulation comprising:
-a hydrosoluble salt of at least one aminophosphate or
aminophosphate type herbicide
-at least one principal surfactant selected from
alkylbetaines and alkyl(amidoalkyl)betaines
-at least one (iv) alkylmonoglycoside or alkylpolyglycoside





Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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Form PCT/ISA/210 (patent family annex) (July 1992)